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DEPARTMENT OF
PLANNING & ZONING

LEGEND

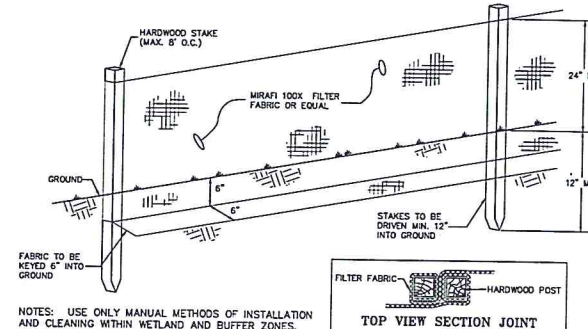
- PROJECT PROPERTY LINE
- ABUTTING PROPERTY LINE
- CONCRETE MONUMENT
- IRON PIPE FOUND
- EXISTING GRADE CONTOURS
- FINISH GRADE CONTOURS
- CHAIN LINKED FENCE
- GUARDRAIL
- OVERHEAD WIRE
- EXIST. GAS LINE AND METER
- EXIST. WATER LINE AND VALVE
- EXIST. SEWER LINE AND MANHOLE
- EXIST. STORMDRAIN AND CATCHBASIN
- NEW LIGHT POLE
- UTILITY OR TRAFFIC POLE AND GUY WIRE
- EXISTING TRAFFIC OR DIRECTIONAL SIGN
- ELECTRIC PAD LOCATION
- BIKE RACK
- SPOT GRADE

PROJECT STATISTICS

BUILDING (A)	EXISTING 3,325 SF KEY BANK
BUILDING (B)	EXISTING 10,600 SF COMMERCIAL (POST OFFICE, OFFICE SPACE)
BUILDING (C)	EXISTING 8,000 SF COMMERCIAL & PROPOSED 4,680 SF ADDITION (RETAIL SPACE)
BUILDING (D)	PROPOSED 2,016 SF CAR WASH
BUILDING (E)	EXISTING 47,800 SF COMMERCIAL (SUPERMARKET)
BUILDING (F)	EXISTING 12,950 SF COMMERCIAL (RETAIL, OFFICE, RESTAURANT, LAUNDROMAT, HAIRDRESSER)
BUILDING (G)	EXISTING 34,000 SF COMMERCIAL (RETAIL, OFFICE, FITNESS, HAIRDRESSER)
BUILDING (H)	EXISTING 10,200 SF COMMERCIAL (RETAIL, RESTAURANT, OFFICE)
AREA = 512,120 SF	
EXISTING LOT COVERAGE = 408,726 SF (79.6 %)	
PROPOSED LOT COVERAGE = 409,686 SF (80.0 %)	
EXISTING NUMBER OF PARKING SPACES = 487	
PROPOSED NUMBER OF PARKING SPACES = 487	

CONSTRUCTION NOTES

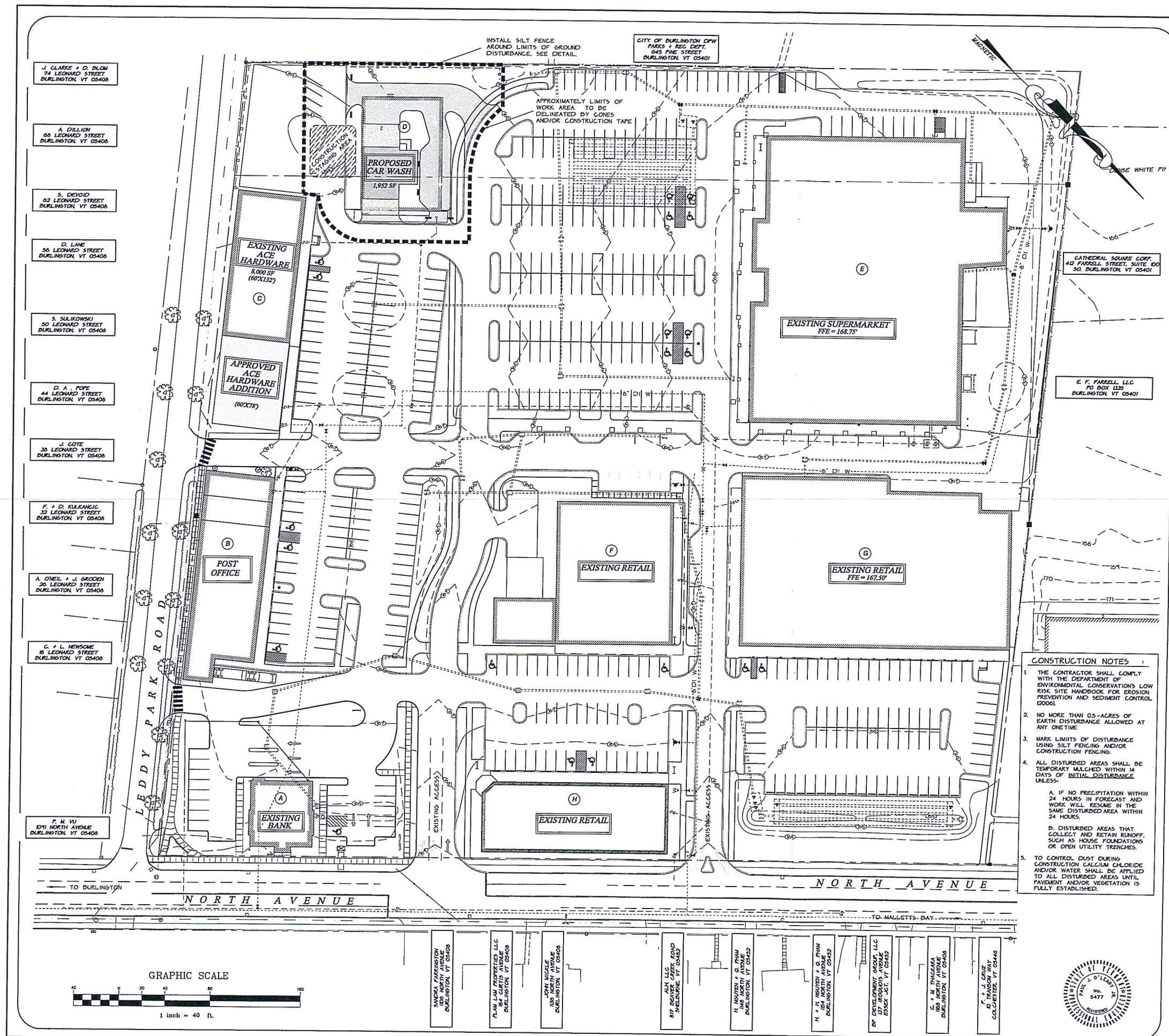
- THE CONTRACTOR SHALL COMPLY WITH THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL (2006).
- NO MORE THAN 0.5-ACRES OF EARTH DISTURBANCE ALLOWED AT ANY ONE TIME.
- MARK LIMITS OF DISTURBANCE USING SILT FENCING AND/OR CONSTRUCTION FENCING.
- ALL DISTURBED AREAS SHALL BE TEMPORARILY MULCHED WITHIN 14 DAYS OF INITIAL DISTURBANCE UNLESS:
 - IF NO PRECIPITATION WITHIN 24 HOURS IN FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS.
 - DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.
- TO CONTROL DUST DURING CONSTRUCTION CALCIUM CHLORIDE AND/OR WATER SHALL BE APPLIED TO ALL DISTURBED AREAS UNTIL PAVEMENT AND/OR VEGETATION IS FULLY ESTABLISHED.



SILT FENCE DETAIL

NTS

07-29-15	REVISED BUILDING FOOTPRINT	SLB
08-26-15	REMOVED CHINA AND ADDED CAR WASH	SLB
04-25-15	ADDED EROSION CONTROL DETAILS	SLB
01-14-15	ADD EXISTING UTILITY INFORMATION	SLB
09-02-14	REVISED ACE HARDWARE BUILDING ADDITION	BY SLB
DATE	REVISION	BY
SURVEY	RECORD DRAWING	PRELIMINARY
DESIGN	FINAL	SKETCH/CONCEPT
DRAWN	HLS	
CHECKED	PJO	
SCALE	1"=40'	
O'LEARY-BURKE CIVIL ASSOCIATES, PLC		DATE 06-13-12
1 CORPORATE DRIVE, SUITE 1		JOE
BURLINGTON, VT 05401		2011-82
PHONE: 878-8880		FILE
FAX: 878-9990		LEDDY
E-MAIL: oob@oolearyburke.com		PLAN SHEET #
ETHAN ALLEN SHOPPING CENTER		1
PROPOSED CAR WASH		
NORTH AVENUE - BURLINGTON		
OVERALL PLAN		



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LEGEND

---	PROJECT PROPERTY LINE
---	ABUTTING PROPERTY LINE
■	CONCRETE MONUMENT FOUND
○	IRON PIPE FOUND
167	EXISTING GRADE CONTOURS
168	FINISH GRADE CONTOURS
---	CHAIN LINKED FENCE
---	GUARDRAIL
---	OVERHEAD WIRE
---	EXIST. GAS LINE AND METER
---	EXIST. WATER LINE AND VALVE
---	EXIST. SEWER LINE AND MANHOLE
---	EXIST. STORMDRAIN AND CATCHBASIN
○	NEW LIGHT POLE
○	UTILITY OR TRAFFIC POLE AND GUY WIRE
---	EXISTING TRAFFIC OR DIRECTIONAL SIGN
---	ELECTRIC PAD LOCATION
---	DIKE RACK
X168.75	SPOT GRADE

PROJECT STATISTICS

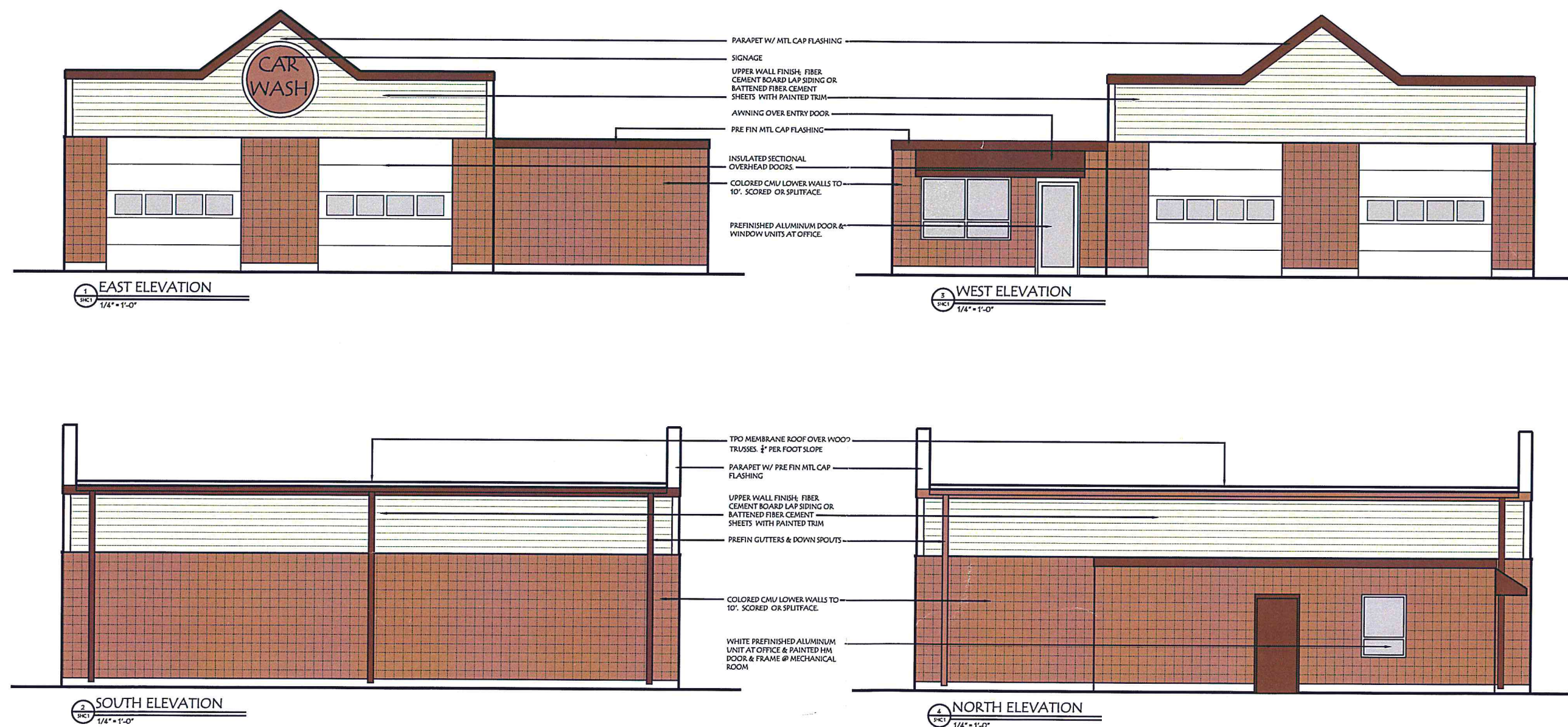
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PROPOSED NUMBER OF PARKING SPACES = 487	

07-25-15	REVISED BUILDING FOOTPRINT	0.0
06-26-15	REMOVED CINEMA AND ADDED CAR WASH	0.0
01-14-15	ADD EXISTING UTILITY INFORMATION	0.0
DATE: 09-02-14	REVISION: ACE HARDWARE BUILDING ADDITION	BY: 0.0
SURVEY: OBCA	<input type="checkbox"/> RECORD DRAWING <input type="checkbox"/> PRELIMINARY	DATE: 05-13-12
DESIGN: HLS	<input checked="" type="checkbox"/> FINAL <input type="checkbox"/> SKETCH/CONCEPT	DATE: 05-13-12
SCALE: 1"=20'	O'LEARY-BURKE CIVIL ASSOCIATES, PLC	FILE: 2011-82
	1 CORPORATE DRIVE, SUITE 1 ESSEX, VT 05732 PHONE: 879-9999 FAX: 879-9999 EMAIL: o'b@olearyburke.com	PLAN SHEET #
	ETHAN ALLEN SHOPPING CENTER	
	PROPOSED CAR WASH	
	NORTH AVENUE - BURLINGTON	
	20-SCALE SITE PLAN	2

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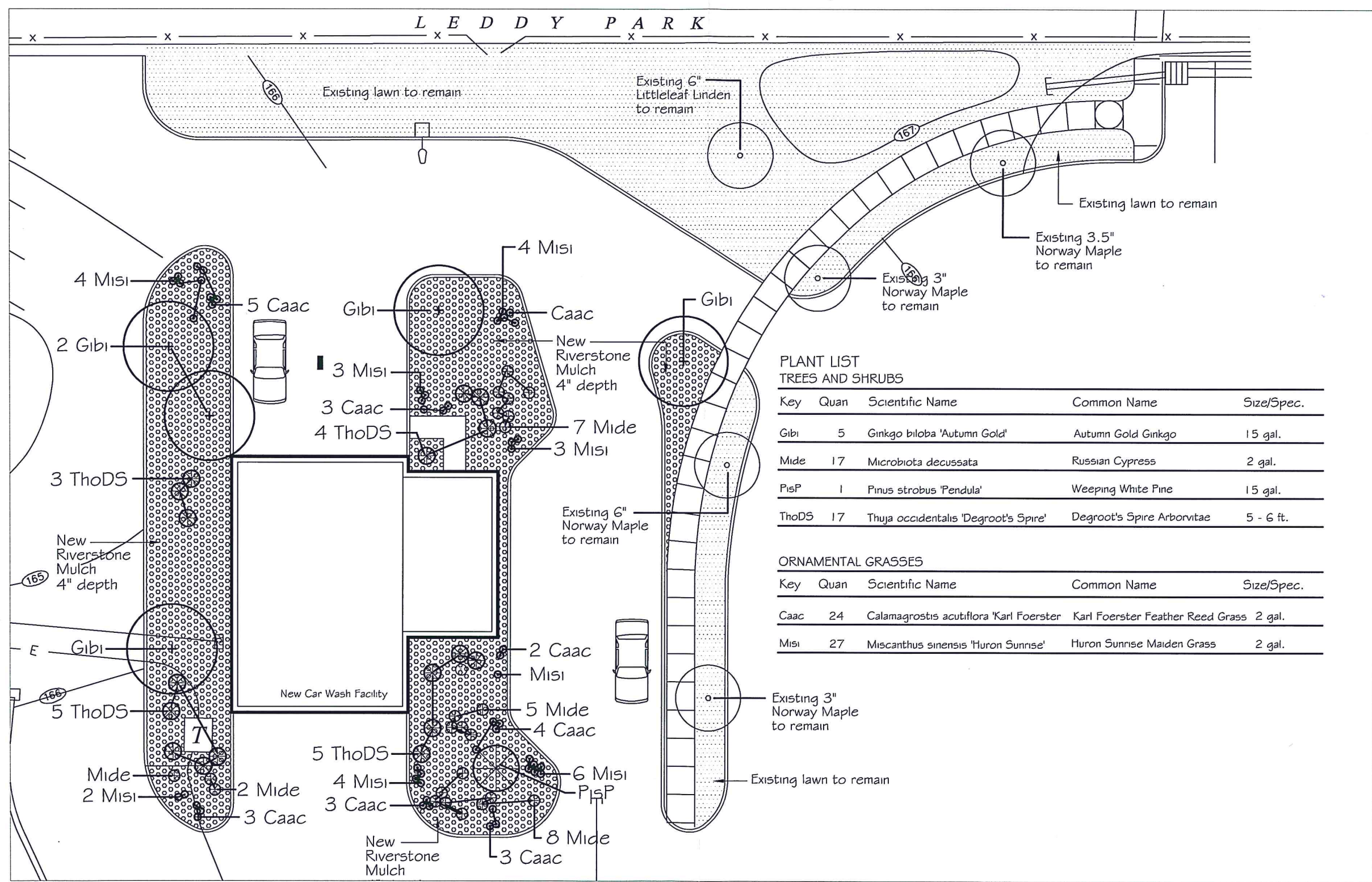


Wiemann
Lamphere
ARCHITECTS

Ownership of Instruments of Service
All reports, drawings, specifications, computer files, field data, notes and other documents and instruments prepared by the consultant as instruments of service shall remain the property of the consultant. The consultant shall retain all common law, statutory and other reserved rights, including the copyright therein.

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PLANT LIST				
TREES AND SHRUBS				
Key	Quan	Scientific Name	Common Name	Size/Spec.
Gibi	5	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginkgo	15 gal.
Mide	17	Microbiota decussata	Russian Cypress	2 gal.
PisP	1	Pinus strobus 'Pendula'	Weeping White Pine	15 gal.
ThoDS	17	Thuja occidentalis 'Degroot's Spire'	Degroot's Spire Arborvitae	5 - 6 ft.

ORNAMENTAL GRASSES				
Key	Quan	Scientific Name	Common Name	Size/Spec.
Caac	24	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	2 gal.
Misi	27	Miscanthus sinensis 'Huron Sunrise'	Huron Sunrise Maiden Grass	2 gal.

Scott Gustin

Subject: FW: car wash

From: David Hauke [mailto:dhaukevt@comcast.net]

Sent: Monday, August 31, 2015 11:32 AM

To: Scott Gustin <SGustin@burlingtonvt.gov>

Subject: RE: car wash

Hi Scott,

Sorry that information wasn't included. The car wash would be open seven days a week and operate from 7:00 AM to 8:00PM. We will only need one employee for approximately 4 hours per day, as one bay will be automatic and the other is a self-wash. We anticipate 60 washes per day. This was generated by capturing .004 percent of the 13,400 daily traffic count on North Ave. I believe a majority of these washes will be from customers frequenting Hannaford's. I'll drop a check off to your office. Please let me know if you need any additional information.

David

DESCRIPTION

The TopTier™ parking garage and canopy luminaire is an innovative solution that delivers an unparalleled combination of performance and visual comfort. The patented WaveStream™ optical technology blocks the line of sight from the LED light sources to the observer while extracting the maximum amount of light on task. This approach results in a high level of uniformity and vertical footcandles that enhances safety in the application environment. The TopTier luminaire is UL/cUL listed for wet locations, IP66 and 3G vibration rated.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

Optics

Unique optical distributions are accomplished using various combinations of reflective backing plates and WaveStream optical technology. The optical Waveguide is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely prescribed distribution. For the ultimate level of glare control and visual comfort, specify the SG option which adds a Solite® glass lens that works in combination with the Waveguide lens and reflective backing plate. Offered standard in 4000K (+/- 275K) CCT, optional 3000K and 6000K. Minimum 70 CRI.

Electrical

LED driver(s) are mounted to metal electrical tray for optimal thermal performance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. For 0-10V dimming driver(s), specify the DIM option. Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. Greater than 85% lumen maintenance expected at 60,000 hours, based off LM-80 test data and TM-21. Suitable for ambient temperature applications from -40°C (-40°F) to 40°C (104°F). For 50°C (122°F) applications, specify the HA high ambient option. IP66 rated against the ingress of dust and water.

Mounting

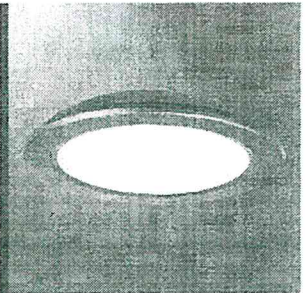
Standard fixture mounts to a square or octagonal 4" surface or recessed j-box via heavy-gauge quick mount bracket. With the addition of a field supplied wet location j-box, the luminaire can be pendant mounted to a rigid or free swinging pendant. Optional mounting methods include trunnion mount and wall mount.

Finish

Housing finished in white Super durable TGIC polyester powder coat paint. 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include black, bronze, grey, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.



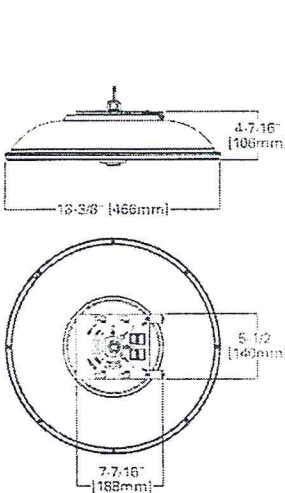
TT TOPTIER LED

Solid State LED

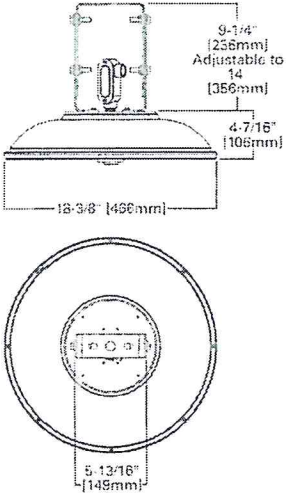
PARKING GARAGE AND CANOPY LUMINAIRE

DIMENSIONS

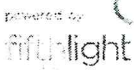
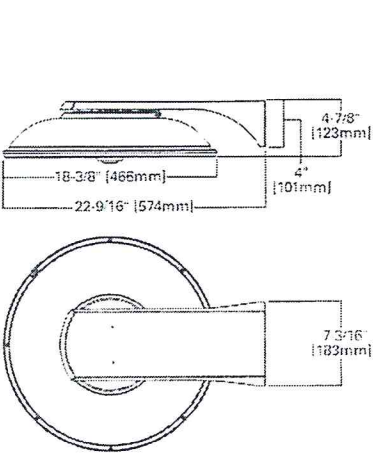
SURFACE OR PENDANT MOUNT



TRUNNION MOUNT



WALL MOUNT



CERTIFICATION DATA

UL/cUL Wet Location Listed
3G Vibration Rated
LM79 / LM80 Compliant
IP66 Rated
DesignLights Consortium® Qualified*
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA

Approximate Net Weight:
16 lbs. (7.2 kgs.)



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2014-08-21 15:58:45



FEATURES & SPECIFICATIONS

INTENDED USE — Used for car lots, street lighting or parking areas.

CONSTRUCTION — Rugged, heavy-gauge, .12" thick, lightweight extruded aluminum housing. Square shape, seam-welded and internally sealed for weather-tight integrity. Naturally anodized, extruded aluminum door frame is sealed to housing by a silicone, closed-cell gasket and is secured with closing screws. Can be hinged from any of the four sides.

Finish: Standard finish is dark bronze (DDB), polyester powder, electrostatically applied and oven-cured. Other powder architectural colors available.

OPTICS — Reflectors are anodized and segmented for superior uniformity and control, which allows the flexibility to mix distributions without compromising the overall lighting job. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Five cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw, sharp cutoff), Type IV (forward throw, wide), Type V (square). Lens is .125" thick impact-resistant tempered glass.

ELECTRICAL — Ballast is constant wattage autotransformer. Super CWA pulse start ballast is required for 320W and 350W (must order SCWA option). Super CWA pulse-start ballasts, 88% efficient and EISA compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA or INTL required for probe-start shipments outside the U.S.

Ballasts are 100% factory-tested. Removable power tray and positive locking disconnect plugs.

Socket: Porcelain, horizontally oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W-600V, 4KV.

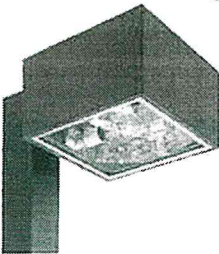
INSTALLATION — Extruded 4" aluminum arm for pole or wall mounting is shipped in fixture carton. Optional mountings available.

LISTING — UL listed for wet locations. Listed and labeled to comply with Canadian standards (see Options).

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number	<div>RECEIVED</div> <div>AUG 10 2015</div> <div>DEPARTMENT OF PLANNING & ZONING</div>
Notes	
Type	



Area Lighting

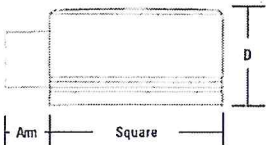
KSE2

METAL HALIDE: 250-400W
HIGH PRESSURE SODIUM: 250-400W
20' to 40' Mounting



Specifications

EPA: 1.9 ft⁴ (.18 m³)
(includes arm)
Square: 19 (48.3)
Depth: 10-15/16 (27.8)
Arm length: 4 (10.2)
*Weight: 39.9 lbs (18.1 kg)
*Weight as configured in example below.
All dimensions are inches (centimeters) unless otherwise specified.




Mounting option	Drilling template
SPxx, RPxx, DA12P	5
WBxx, DA12WB	6
WWxx	7

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: KSE2 400M R3 TB SCWA SP04 LPI

KSE2					
Series	Wattage	Distribution	Voltage	Ballast	Mounting
KSE2	<u>Metal halide</u>	R2 Type II roadway	120 347	(blank) Magnetic	SP04 Square pole ⁸ WW09 Wood pole or wall
	250M ¹ 350M ²	R3 Type III asymmetric	208 ⁵ 480 ⁵	CWI Contant wattage isolated	SP09 Square pole L/ARM When ordering KMA, DA12
	320M 400M ^{1,3}	R4SC Type IV forward throw, sharp cutoff	240 ⁵ TB ⁶	<u>Pulse Start</u> 	RP04 Round pole ⁸ <u>Optional mounting, shipped separately^{9, 10}</u>
	<u>High pressure sodium⁴</u>	R4W Type IV forward throw, wide	277 23050HZ ⁷	SCWA Super CWA pulse-start ballast	RP09 Round pole DA12P Degree arm, pole
	250S 400S	R5S Type V square		NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	WB04 Wall bracket DA12WB Degree arm, wall
					WB09 Wall bracket KMA Mast arm adapter
					WW04 Wood pole or wall ⁸ KTMB Twin mounting bar

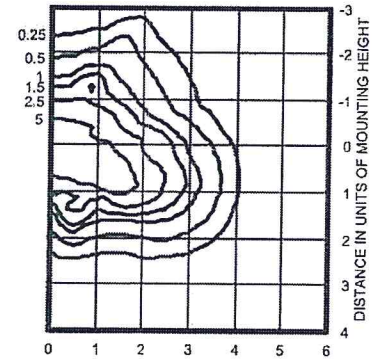
Options				Finish ¹⁴				Lamp ¹⁶	
<u>Shipped installed in fixture</u>		CSA Listed and labeled to comply with Canadian standards	<u>Shipped separately⁹</u>	(blank) Dark bronze	<u>Super Durable Finishes</u>		<u>Striping¹⁵</u>	LPI Lamp included	
PER NEMA twist-lock receptacle only (no photocontrol)				DWH White	DDBXD Dark bronze	SDDB Dark bronze	SDWH White	L/LP Less lamp	
SF Single fuse (120, 277, 347V) n/a TB				DBL Black	DBLXD Black	SDBL Black	SDNA Natural aluminum		
DF Double fuse (208, 240, 480V) n/a TB				DMB Medium bronze	DNAXD Natural aluminum	SDTG Tennis green	SDBR Bright red		
QRS Quartz restrike system ¹¹				DNA Natural aluminum	DDBTXD Textured dark bronze	SDBUA Dark blue	SDGYM Gray		
EC Emergency circuit ¹¹		KW1 KiloWatch [®] 120V control relay ¹²	PE1 NEMA twist-lock PE (120, 208, 240V)	DSS Sandstone	D3LBXD Textured black	SDYLB Yellow			
		KW4 KiloWatch [®] 277V control relay ¹²	PE3 NEMA twist-lock PE (347V)	DGK Charcoal gray	DNATXD Textured natural aluminum				
		REGC1 California Title 20 effective 1/1/2010	PE4 NEMA twist-lock PE (480V)	DTG Tennis green	DWHGXD Textured white				
			PE7 NEMA twist-lock PE (277V)	DBR Bright red					
			SC Shorting cap for PER option	DSB Steel blue					
			HS House side shield (R2, R3) ¹¹						
			VG Vandal guard ¹¹						

KSE2 Premium Cutoff Lighting

Accessories: Tenon Mounting Slipfitter Number of fixtures. (RPxx required.)						
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8" (6)	T20-190	T20-280	T20-290	T20-320	T20-390	T20-490
2-7/8" (7.3)	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4" (10.2)	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490

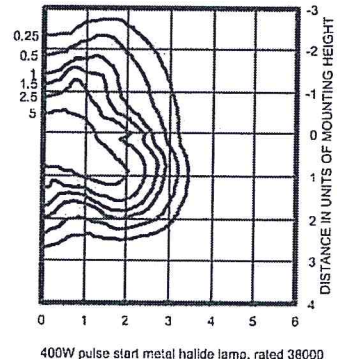
Coefficient of Utilization _____
Initial Footcandles _____

KSE2 400M R2 TEST NO: 1195020512P
ISOILLUMINANCE PLOT (Footcandle)



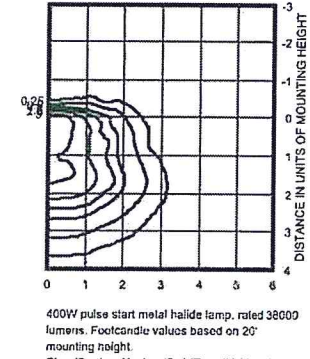
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Short, Full Cutoff

KSE2 400M R3 TEST NO: 1195020563P
ISOILLUMINANCE PLOT (Footcandle)



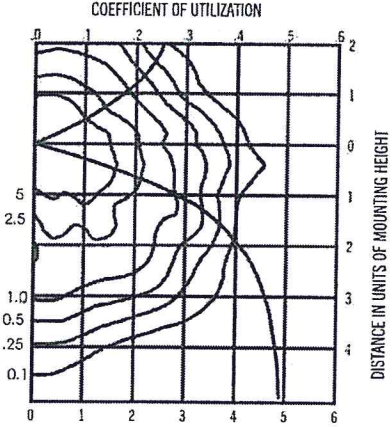
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Type III, Short, Full Cutoff

KSE2 400M R4SC TEST NO: 1195020521P
ISOILLUMINANCE PLOT (Footcandle)



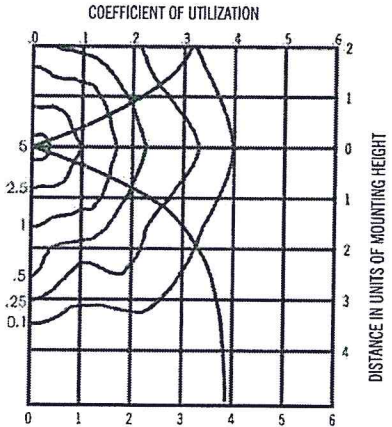
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

KSE2 400S R4W Test No. LTL8480



400W High Pressure Sodium lamp, 50000 rated lumens. Footcandle values based on 20' mounting height, Distribution IV wide, forward throw.

KSE2 400S R5S Test No. 1195020527



400W High Pressure Sodium lamp, 50000 rated lumens. Footcandle values based on 35' mounting height, Distribution V, cutoff.

NOTES:

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting website. (www.lithonia.com)
- 2 For electrical characteristics, consult outdoor technical data specification sheets on www.lithonia.com.
- 3 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.
- 4 Actual performance may differ as a result of end-user environment and application.

- Notes
- 1 These wattages require the REGC1 option to be chosen for shipment to California for Title 20 compliance. 250M REGC1 is not available in 347V or 480V.
 - 2 These wattages do not comply with California Title 20 regulations.
 - 3 Use with ED28 reduced jacket lamp.
 - 4 Not available with SCWA.
 - 5 Must specify CWI for use in Canada.
 - 6 Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada).
 - 7 Consult factory for available wattages.

- 8 Use 9" and 12" (20 or more) luminaire oriented on a 90° drilling pattern.
- 9 May be ordered as an accessory.
- 10 Must specify ballast when ordered as an accessory.
- 11 Maximum allowable wattage lamp included.
- 12 Kilowatt hour (kWh) is available only with 250S or 400S.
- 13 Prefix with KSE2 when ordering as an accessory.
- 14 See www.lithonia.com/architect for additional color options.
- 15 Striping is available in the 9 colors listed only.
- 16 Must be specified.

Mounting Height Correction Factor

(Multiply the f level by the correction factor)

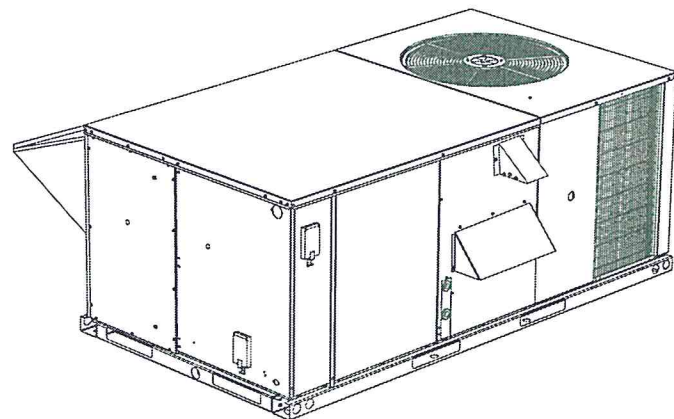
20' mounting height	35' mounting height
25 ft. = 0.64	15 ft. = 0.40
30 ft. = 0.44	25 ft. = 1.96

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$



Heating and Air Conditioning TECHNICAL GUIDE

R-410A ZF / ZR / XP SERIES 3 - 6 TON 60 Hertz



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251933-YTG-S-0412

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Description

YORK® ZF/ZR/XP Series units are convertible single package high efficiency rooftops with a common roof curb for the 3, 4, 5 and 6 Ton sizes (ZR, XP not available in 6 Ton). Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

All ZF/ZR/XP Series units are self-contained and assembled on rigid full perimeter base rails allowing for overhead rigging. Every unit is completely charged, wired, piped and tested at the factory to provide a quick and easy field installation.

All models (including those with an economizer) are convertible between bottom and horizontal duct connections.

ZF/ZR Series units are available in the following configurations: cooling only, cooling with electric heat, and cooling with one or two stage gas heat. Electric heaters are available as factory-installed option or field installed accessory.

XP Series units are available in the following configurations: cooling and heating only and cooling and heating with electric heat.

Tested in accordance with:

